

MAXIMUM ALLOWABLE LOAD FOR POLYPROPYLENE (PP-R) PIPE, ASTM F 2389 (C = 150),SDR 11

Pressure Loss Due to Friction (in psi per 100 ft of length)	1/2"			3/4"			1"	
	GPM	WSFU		GPM	WSFU		GPM	WS
		FM	FT		FM	FT		
	0.5	1.2	-	1	2.1	-	2	4.1
1	1.7	-	2	3.1	-	3	6.0	-
2	2.5	-	2.5	4.5	-	5	8.7	-
3	3.1	-	3	5.6	-	6.5	10.8	4
4	3.6	-	3.5	6.5	-	8	12.6	4.5
5	4.0	-	4	7.4	-	9.5	14.2	5
6	4.4	-	5	8.1	-	10	15.7	5
7	4.8	-	6	8.8	-	11.5	17.1	5.5
8	5.2	-	6	9.5	4	12.5	18.4	6
9	5.5	-	6.5	10.1	4	13.5	19.6	6.5
10	5.9	-	7	10.7	4	14.5	20.7	7
11	6.2	-	7.5	11.3	4.5	15.5	NP	
12	6.5	-	8	11.8	4.5	16.5		
13	6.7	-	8.5	12.4	4.5	17.5		
14	7.0	-	9	NP				
15	7.3	-	9.5					
16	7.6	-	9.5					
17	7.8	-	10					
18	NP			NP				
19								
20								
21								
22								
23								
24								
25								

	1-1/4"			1-1/2"			2"		
WSFU	GPM	WSFU		GPM	WSFU		GPM	WSFU	
FT		FM	FT		FM	FT		FM	FT
4	7.3	-	9.5	13.2	4.5	19	24.2	8	40
7	10.6	4	14	19.2	6.5	29	35.2	20	70
11	15.4	5	22.5	27.9	11	50	51.2	50	133
14.5	19.2	6.5	28	34.7	20	69	63.8	86	194
17.5	22.5	7.5	36	40.5	30	88	74.5	126	248
20	25.3	8.5	43	45.7	40	114	NP		
23.5	28.0	11	50	50.5	50	130			
25	30.4	14	56	NP					
27.5	NP			NP					
29	NP								
32	NP								

Pipe Diameter (in inches)

2-1/2"			3"			3-1/2"			
GPM	WSFU		GPM	WSFU		GPM	WSFU		GPM
	FM	FT		FM	FT		FM	FT	
38.6	27	82	62.3	81	186	105.8	277	405	147.9
56.2	66	156	90.6	194	328	153.8	579	660	215.1
81.8	155	284	131.8	436	538	223.8	1123	1123	312.8
101.8	255	384	164.1	655	718	NP			
NP			NP						

4"		6"			8"			10"	
WSFU		GPM	WSFU		GPM	WSFU		GPM	WS
FM	FT		FM	FT		FM	FT		FM
539	627	283.1	1649	1649	510.1	3840	3840	919.0	16000
1055	1055	411.8	2872	2872	742.0	9890	9890	1336.7	24000
1924	1924	NP			NP			NP	
NP									

